

A. Spiegel

#10

1656

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/640,636

DATE: 03/20/2001

TIME: 16:07:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\03202001\I640636.raw

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3 <110> APPLICANT: Lewin, David
4     Shimkets, Richard
5     Lasky, Lawrence
6     Taillon, Bruce
7     Gold, Steven
9 <120> TITLE OF INVENTION: NOVEL HEMATOPOIETIC REGULATORY FACTORS AND METHODS OF USE THEREOF
11 <130> FILE REFERENCE: 10716/25
13 <140> CURRENT APPLICATION NUMBER: 09/640,636
14 <141> CURRENT FILING DATE: 2000-08-17
16 <150> PRIOR APPLICATION NUMBER: 60/149,830
17 <151> PRIOR FILING DATE: 1999-08-19
19 <160> NUMBER OF SEQ ID NOS: 6
21 <170> SOFTWARE: PatentIn version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 912
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus musculus
28 <400> SEQUENCE: 1
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33 cctctcaaac tcattaaaaa tataatgggtg atattcgaga ccatttactg caacagaaag      180
35 gaagtgatag cagtcccaa aaatgggagt atgatttgtt tggatcctga tgctccatgg      240
37 gtgaaggcta ctgttggccc aattactaac aggttcctac ctgaggacct caaacaaaag      300
39 gaatttccac cggcaatgaa gcttctgtat agtgttgagc atgaaaagcc tctatatctt      360
41 tcatttggga gacctgagaa caagagaata ttccctttc caattcgga gacctctaga      420
43 cactttgctg atttagctca caacagtgat aggaatttcc tacgggactc cagtgaagtc      480
45 agcttgacag gcagtgatgc ctaaaagcca ctcatgaggc aaagagtttc aaggaagctc      540
47 tcctcctgga gttttggcgt tctcattctt atactctatt cccgcgttag tctggtgtat      600
49 ggatctatga gctctctttt aatattttat tataaatgtt ttatttactt aacttcctag      660
51 tgaatgttca caggtgactg ctcctccatc cccatttctt gatattacat ataatggcat      720
53 catatacccc tttattgact gacaaactac tcagattgct taacattttg tgcttcaaag      780
55 tcttatecca ctccactatg ggctgttaca gagtgcattc cgggtgtaga caaggctcct      840
57 tgtcttcagt gcccagggt gaaatacttc ttgaaaaat tttcattcat cagaraatct      900
59 gaaataaata tt                                     912
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 62
64 <212> TYPE: PRT
65 <213> ORGANISM: Mus musculus
67 <400> SEQUENCE: 2
69 Arg Gly Asp His Lys Leu Ala His Arg Pro Ala Leu Gln Asp Pro Leu
70 1           5           10           15
72 Leu Gln Ser Leu Arg Pro Arg Gly His Ala Pro His Pro Pro Arg
73           20           25           30
75 Asp Leu Gly Gly Gly Leu Asp Ser Gly Val Gln Ser Asp Gly Val Leu
76           35           40           45
78 Gln His Leu Gln Arg Pro Gly His Val Lys Leu Gly Thr Ala
79           50           55           60
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81 <210> SEQ ID NO: 3
82 <211> LENGTH: 208
83 <212> TYPE: PRT
84 <213> ORGANISM: Mus musculus
86 <400> SEQUENCE: 3
88 Glu Val Ile Ile Asn Ser Pro Ile Val Leu Arg Tyr Lys Thr Pro Tyr
89 1 5 10 15
91 Phe Lys Ala Ser Ala Arg Val Val Met Pro Pro Ile Pro Arg His Glu
92 20 25 30
94 Thr Trp Val Val Gly Trp Ile Gln Ala Cys Asn Gln Met Glu Phe Phe
95 35 40 45
97 Asn Thr Tyr Ser Asp Leu Gly Met Ser Ser Trp Glu Leu Pro Asp Leu
98 50 55 60
100 Arg Glu Gly Arg Val Lys Ala Ile Ser Asp Ser Asp Gly Val Ser Tyr
101 65 70 75 80
103 Pro Trp Tyr Gly Asn Thr Thr Glu Thr Val Thr Leu Val Gly Pro Thr
104 85 90 95
106 Asn Lys Ile Ser Arg Phe Ser Val Ser Met Asn Asp Asn Phe Tyr Pro
107 100 105 110
109 Ser Val Thr Trp Ala Val Pro Val Ser Asp Ser Asn Val Pro Leu Leu
110 115 120 125
112 Thr Arg Ile Lys Arg Asp Gln Ser Phe Thr Thr Trp Leu Val Ala Met
113 130 135 140
115 Asn Thr Thr Thr Lys Glu Lys Ile Ile Leu Gln Thr Ile Lys Trp Arg
116 145 150 155 160
118 Met Arg Val Asp Ile Glu Val Asp Pro Leu Gln Leu Leu Gly Gln Arg
119 165 170 175
121 Ala Arg Leu Val Gly Arg Thr Gln Gln Glu Gln Pro Arg Ile Leu Ser
122 180 185 190
124 Arg Met Glu Pro Ile Pro Pro Asn Ala Leu Val Lys Pro Asn Ala Gln
125 195 200 205
127 <210> SEQ ID NO: 4
128 <211> LENGTH: 167
129 <212> TYPE: PRT
130 <213> ORGANISM: Mus musculus
132 <400> SEQUENCE: 4
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135 1 5 10 15
137 Gly Ile Phe Val Arg Pro Cys Asp Thr Gln Glu Leu Arg Cys Leu Cys
138 20 25 30
140 Ile Gln Glu His Ser Glu Phe Ile Pro Leu Lys Leu Ile Lys Asn Ile
141 35 40 45
143 Met Val Ile Phe Glu Thr Ile Tyr Cys Asn Arg Lys Glu Val Ile Ala
144 50 55 60
146 Val Pro Lys Asn Gly Ser Met Ile Cys Leu Asp Pro Asp Ala Pro Trp
147 65 70 75 80
149 Val Lys Ala Thr Val Gly Pro Ile Thr Asn Arg Phe Leu Pro Glu Asp
150 85 90 95
152 Leu Lys Gln Lys Glu Phe Pro Pro Ala Met Lys Leu Leu Tyr Ser Val

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153          100          105          110
155 Glu His Glu Lys Pro Leu Tyr Leu Ser Phe Gly Arg Pro Glu Asn Lys
156          115          120          125
158 Arg Ile Phe Pro Phe Pro Ile Arg Glu Thr Ser Arg His Phe Ala Asp
159          130          135          140
161 Leu Ala His Asn Ser Asp Arg Asn Phe Leu Arg Asp Ser Ser Glu Val
162 145          150          155          160
164 Ser Leu Thr Gly Ser Asp Ala
165          165
167 <210> SEQ ID NO: 5
168 <211> LENGTH: 67
169 <212> TYPE: PRT
170 <213> ORGANISM: Mus musculus
172 <400> SEQUENCE: 5
174 Glu Phe Pro Pro Ala Met Lys Leu Leu Tyr Ser Val Glu His Glu Lys
175 1          5          10          15
177 Pro Leu Tyr Leu Ser Phe Gly Arg Pro Glu Asn Lys Arg Ile Phe Pro
178          20          25          30
180 Phe Pro Ile Arg Glu Thr Ser Arg His Phe Ala Asp Leu Ala His Asn
181          35          40          45
183 Ser Asp Arg Asn Phe Leu Arg Asp Ser Ser Glu Val Ser Leu Thr Gly
184          50          55          60
186 Ser Asp Ala
187 65
189 <210> SEQ ID NO: 6
190 <211> LENGTH: 667
191 <212> TYPE: DNA
192 <213> ORGANISM: Mus musculus
194 <400> SEQUENCE: 6
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199 ggcgtgcaat cagatggagt tottcaacac ctacagcgac ctgggcatgt caagctggga 180
201 actgcctgac ttgaggggaag ggagagtaaa agccatcagt gactcagatg gggtagacta 240
203 cccttggtac gggaaacacca cagaaactgt gaccctggtt ggcccaccaa caagatctcc 300
205 aggttctccg tcagcataat gacaacttct accccagtgt gacatgggca gtgcctgtga 360
207 gtgacagcaa tgtgccactg ctcacaagaa tcaagagaga ccaaagtttc acgacctggc 420
209 tggtgggccat gaacaccacc acaaaggaga agatcattct gcagaccatc aagtggagga 480
211 tgaggggtga cattgaagtg gacctcttct agctcttggg gcagcgggcc cggctggtgg 540
213 gcaggactca gcaggagcag ccccgatcc tgagccggat ggaacccatc cccctaatag 600
215 cactagttaa acccaatgcc caatgatgcc aggtcctcat gtggggggccc agcggggccc 660
217 tctgttg 667

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